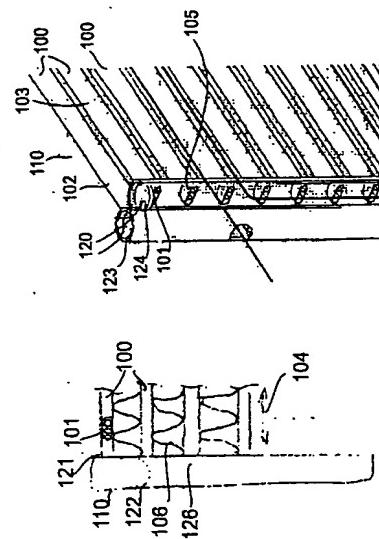


Title: DEVICE FOR HEAT EXCHANGE
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1
Fig.

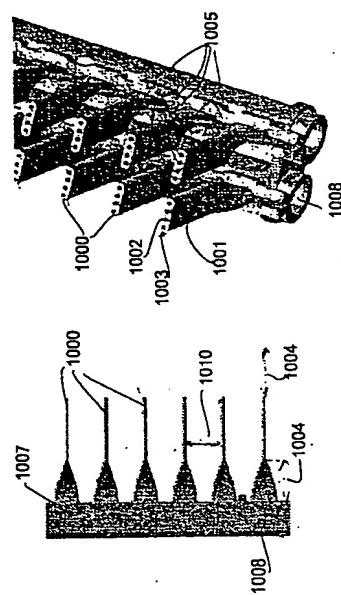


Fig. 10
State of the art

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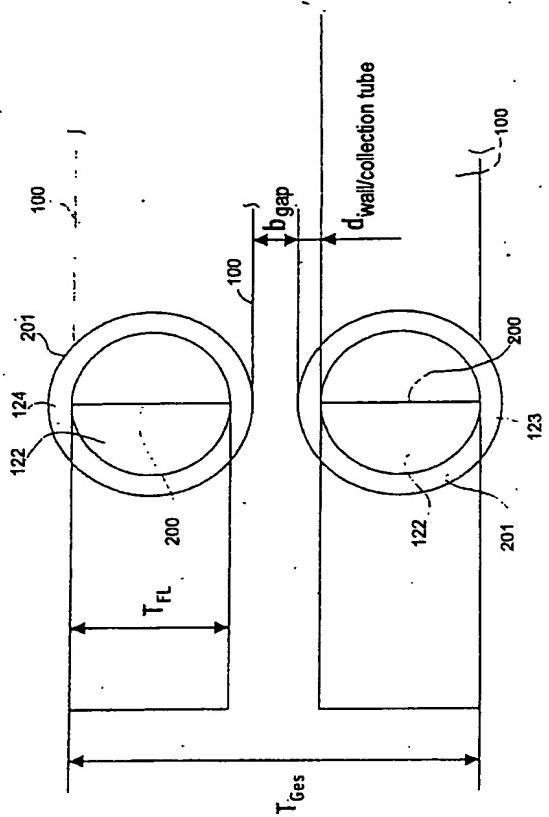


Fig. 2

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$$T_{Ges} = 2xT_{FL} + 2xd_{wall, collection tube} + b_{gap}$$

where

$$b_{gap} = 0.8 \text{ mm}$$

$$d_{wall/collection tube} = 0.1 * P_{burst} * T_{FL} / (2 * \sigma)$$

where P_{burst} is the bursting pressure and
 σ is the limit of elasticity of the collection tube
material. Here $\sigma = 50 \text{ N/mm}^2$

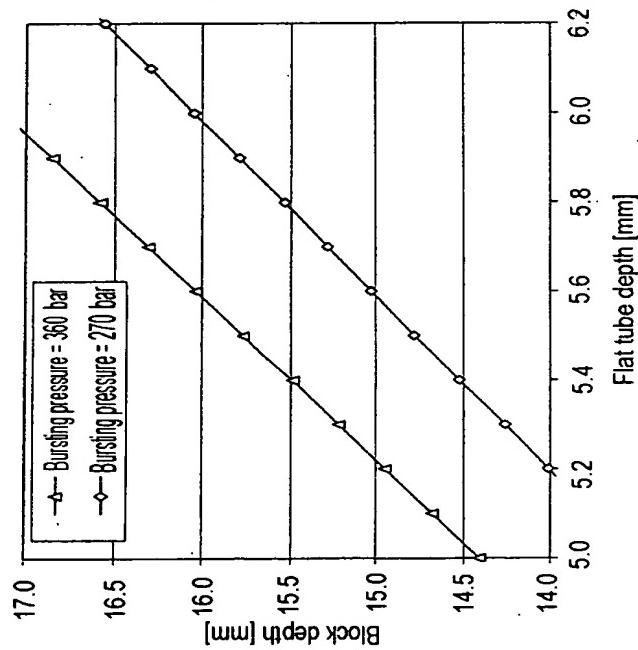


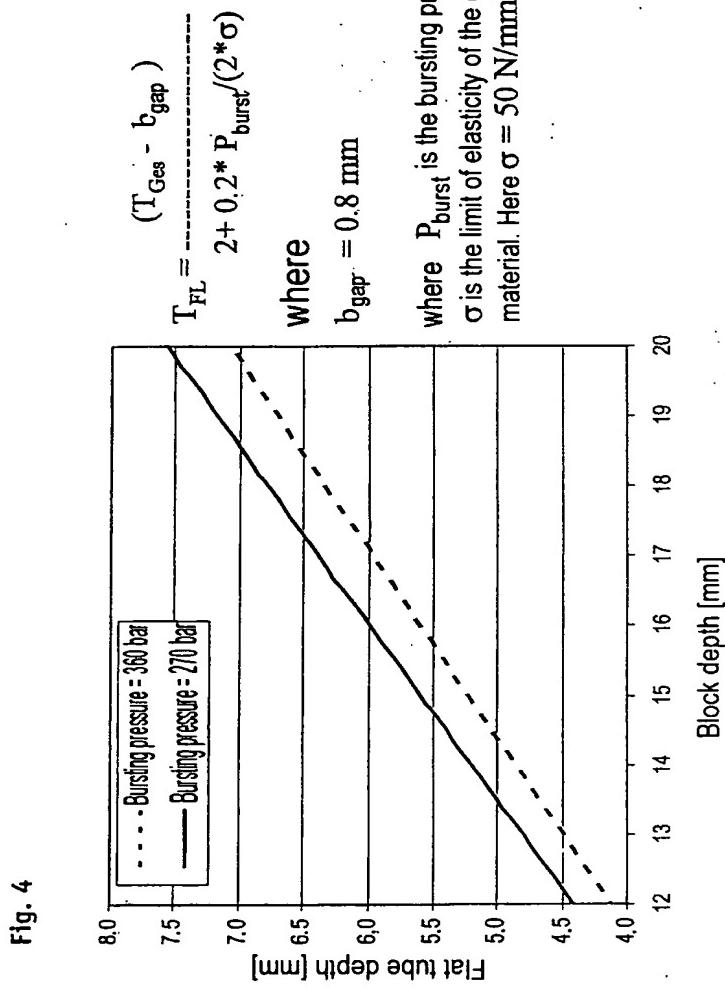
Fig. 3

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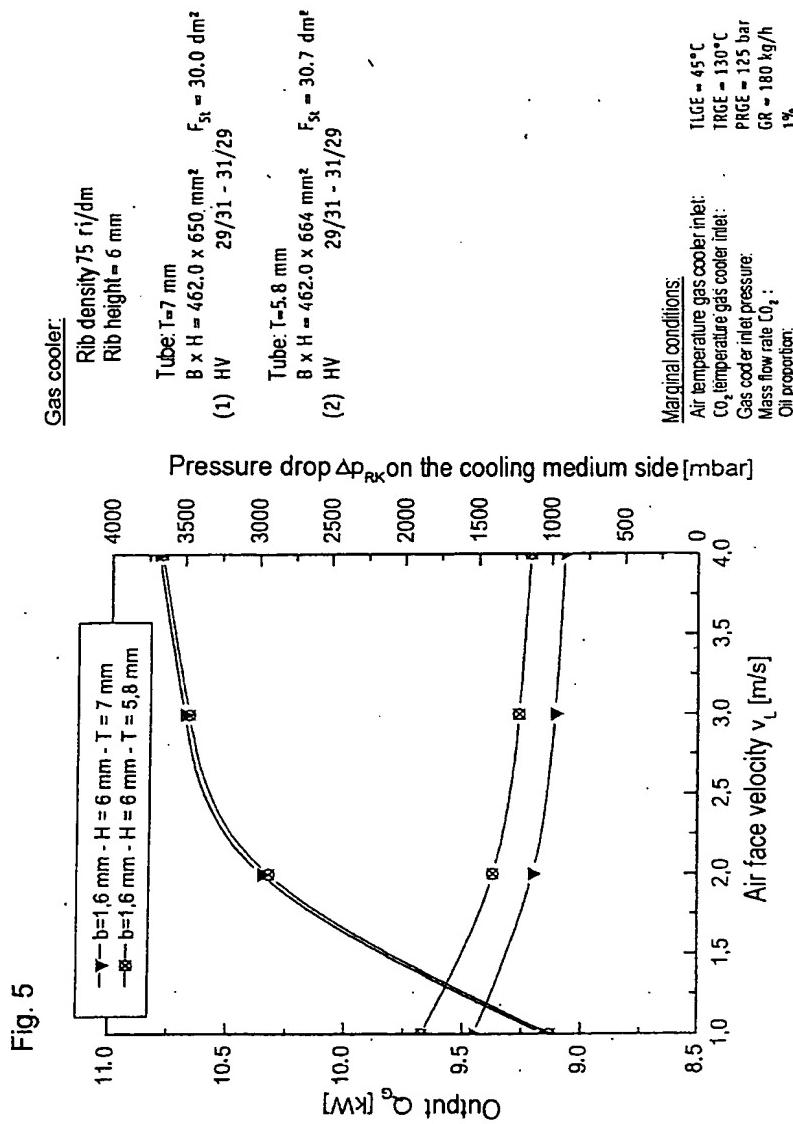


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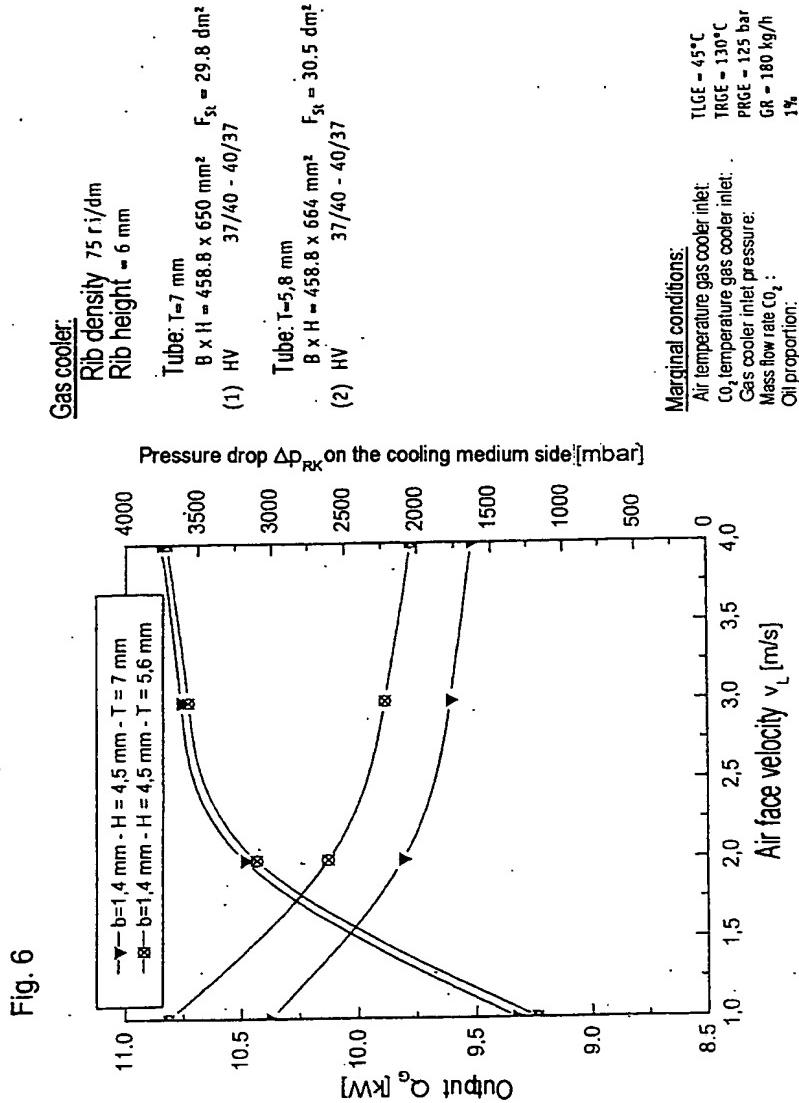


Fig. 6

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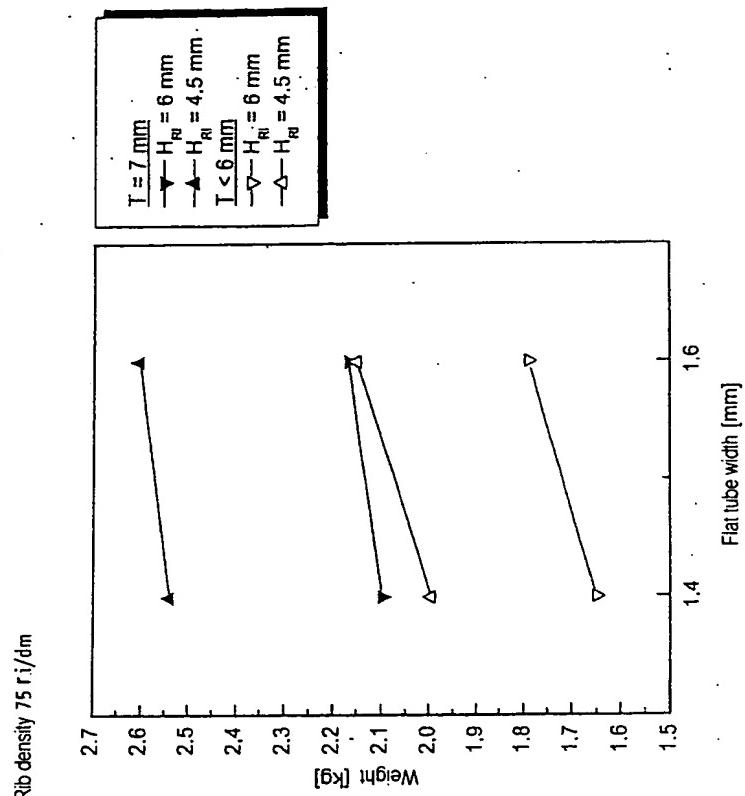


Fig. 7

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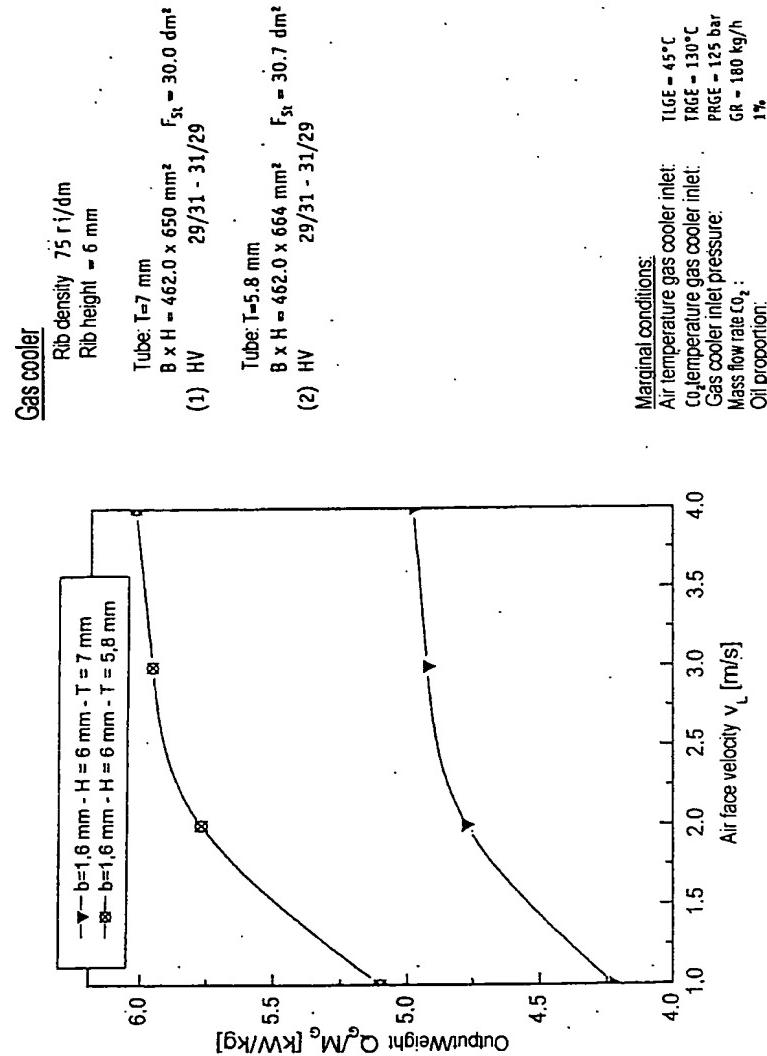


Fig. 8

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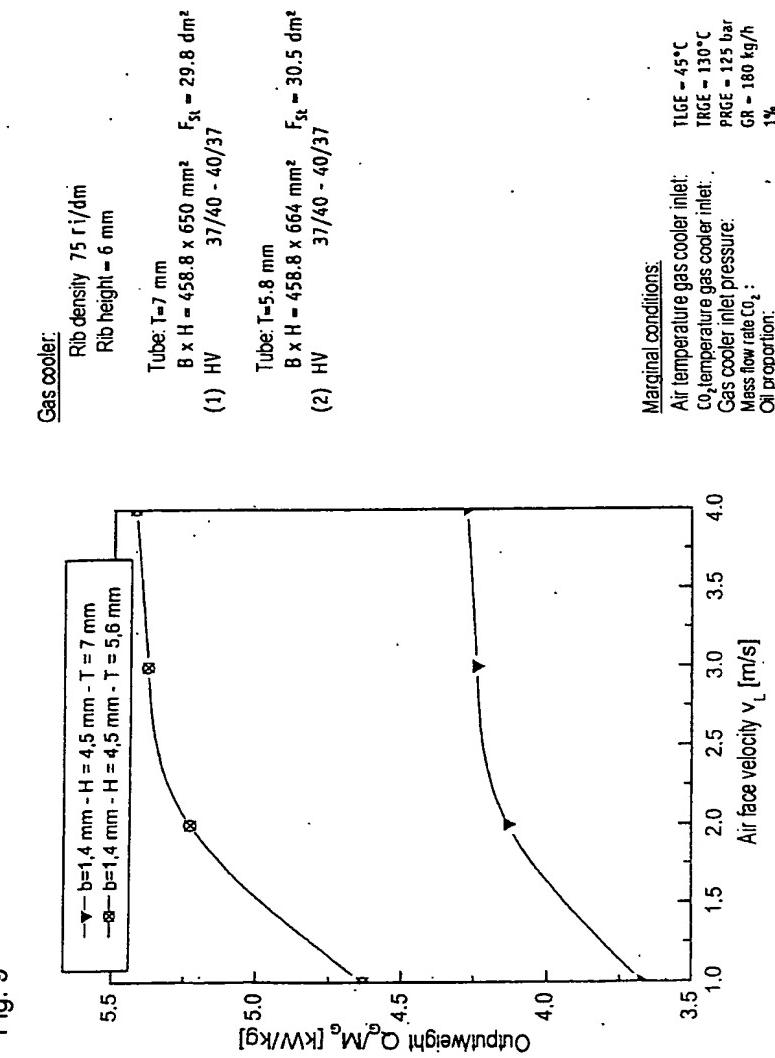


Fig. 9